

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| S2    | 10   | "6548442".pn. or<br>"6239059".pn. or<br>"3718636".pn. or wo-<br>0004058-\$.did. or wo-<br>2005075525-\$.did. | US-PGPUB;<br>USPAT;<br>DERWENT           | AND              | ON      | 2009/01/05<br>12:24 |
| S5    | 2    | "5643847".pn.  | US-PGPUB;<br>USPAT;<br>DERWENT           | AND              | ON      | 2009/01/06<br>10:28 |
| S6    | 26   | ("6239059").URPN.  | USPAT                                    | AND              | ON      | 2009/01/06<br>10:30 |
| S7    | 80   | (diethyl adj aluminum adj<br>fluoride) or diethylalumin<br>\$1umfluoride                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:51 |
| S8    | 10   | S7 metallocene   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:51 |
| S9    | 7300 | \$aluminumfluoride or<br>\$aluminiumfluoride or<br>((\$aluminum or<br>\$aluminium) adj fluoride)             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:55 |
| S10   | 240  | S9 metallocene   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:56 |
| S11   | 84   | S10 (functional\$4)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:57 |
| S12   | 137  | S10 support  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:57 |
| S13   | 154  | S10 (porous or support)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>10:57 |
| S14   | 1121 | S9 same3 silica  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>11:14 |
| S15   | 48   | S14 metallocene  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>11:14 |
| S16   | 738  | S9 same silica   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>11:49 |
| S17   | 8    | S16 metallocene  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND              | ON      | 2009/01/06<br>11:49 |

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| S18 | 1    | fr-2769245-\$.did.   | US-PGPUB;<br>USPAT; JPO;<br>DERWENT      | AND | ON | 2009/01/06<br>14:52 |
| S19 | 1    | "6147174".pn.  | USPAT                                    | AND | ON | 2009/01/06<br>15:28 |
| S20 | 1    | "4607019".pn.  | USPAT                                    | AND | ON | 2009/01/06<br>15:37 |
| S21 | 1    | "6239059".pn. (magnesium<br>or mg)   | USPAT                                    | AND | ON | 2009/01/06<br>15:51 |
| S22 | 20   | ("4607019").URPN.  | USPAT                                    | AND | ON | 2009/01/06<br>16:45 |
| S23 | 1531 | zirconocene catalyst   | USPAT                                    | AND | ON | 2009/01/06<br>17:37 |
| S24 | 1371 | zirconocene catalyst olefin  | USPAT                                    | AND | ON | 2009/01/06<br>17:37 |
| S25 | 697  | zirconocene catalyst olefin<br>aluminoxane   | USPAT                                    | AND | ON | 2009/01/06<br>17:38 |
| S26 | 6    | zirconocene catalyst olefin<br>aluminoxane<br>@py<="1990"  | USPAT                                    | AND | ON | 2009/01/06<br>17:38 |
| S27 | 0    | "6329059".pn. (aluminum<br>adj magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>10:48 |
| S28 | 0    | "6329059".pn. (aluminum<br>near2 magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>10:48 |
| S29 | 0    | "6239059".pn. (aluminum<br>near2 magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>10:48 |
| S30 | 0    | "6239059".pn. (aluminum<br>near2 magnesium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>10:49 |
| S31 | 0    | "6239059".pn. (aluminium<br>near2 magnesium)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>10:49 |
| S32 | 1    | "6239059".pn. aluminium<br>magnesium   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>10:49 |
| S33 | 2    | "6239059".pn. metallocene  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/06/24<br>14:09 |
| S34 | 2    | "US 20090042720"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | AND | ON | 2009/09/15<br>16:37 |
| S35 | 7777 | \$aluminumfluoride or<br>\$aluminiumfluoride or<br>((\$aluminum or<br>\$aluminium) adj fluoride) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>11:50 |

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| S36 | 273   | S35 metallocene   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>11:50 |
| S37 | 3     | S36 pyrol\$   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>11:50 |
| S38 | 50569 | \$ocene   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>11:53 |
| S39 | 34762 | S38 catalyst  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>11:53 |
| S40 | 1222  | S39 (pyroly\$5 or pyroli\$5)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>11:53 |
| S41 | 90    | S39 ((pyroly\$5 or pyroli\$5)<br>with (support or carrier or<br>silica or porous or<br>monolith)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>12:09 |
| S42 | 118   | S36 calcin\$5   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>12:18 |
| S43 | 173   | S38 adj support   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>13:29 |
| S44 | 67    | S43 (calcin\$5 or pyrolys\$5<br>or pyrolyz\$5 or pyroliz\$5 or<br>pyrolyz\$5)                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>13:29 |
| S45 | 3     | S44 (pyrolys\$5 or pyrolyz<br>\$5 or pyroliz\$5 or pyrolyz<br>\$5)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>13:31 |
| S46 | 749   | S38 near support  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>13:33 |
| S47 | 26    | S46 (pyrolys\$5 or pyrolyz<br>\$5 or pyroliz\$5 or pyrolyz<br>\$5)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>13:34 |
| S48 | 2     | us-6239059-\$.did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>13:56 |
| S49 | 30    | ("6239059").URPN.   | USPAT                                    | AND | ON | 2009/11/12<br>14:01 |
| S50 | 3     | ("6605561").URPN.   | USPAT                                    | AND | ON | 2009/11/12<br>14:01 |
| S51 | 1     | ("6780946").URPN.   | USPAT                                    | AND | ON | 2009/11/12<br>14:01 |
| S52 | 32    | S49 or S50 or S51   | USPAT                                    | AND | ON | 2009/11/12<br>14:01 |
| S53 | 0     | S52 pyrol\$5  | USPAT                                    | AND | ON | 2009/11/12<br>14:02 |

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| S54 | 31      | S52 alkox\$4   | USPAT                                    | AND | ON | 2009/11/12<br>14:02 |
| S55 | 3399    | S38 near10 (activator or<br>activater or activated or<br>activating)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>14:21 |
| S56 | 733     | S55 fluoride aluminum  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>14:22 |
| S57 | 132855  | \$aluminumfluoride or<br>\$aluminiumfluoride or<br>((\$aluminum or<br>\$aluminium) fluoride) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>15:25 |
| S58 | 3870    | S57 metallocene  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>15:26 |
| S59 | 246     | S58 (pyroli\$5 or pyroly\$5)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>15:26 |
| S60 | 691     | S58 (heat adj treat\$4)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:02 |
| S61 | 35      | S58 ((heat adj treat\$4)<br>near10 (inert or nitrogen<br>or argon or vacuum))                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:03 |
| S62 | 31622   | ((heat adj treat\$4) near10<br>(inert or nitrogen or argon<br>or vacuum))                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:36 |
| S63 | 196     | S62 ziegler  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:38 |
| S64 | 1911321 | (alumin\$ or<br>organoaluminum or<br>organoaluminium)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:39 |
| S65 | 177     | S63 S64  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:39 |
| S66 | 54      | S65 (fluorine or fluoride)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:39 |
| S67 | 72      | S65 (fluorine or fluoride or<br>fluorina\$4 or fluorida\$4)                                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:40 |
| S69 | 1921567 | (alumin\$ or \$aluminum or<br>\$aluminium or<br>\$aluminoxane or<br>\$aluminoxide)           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:44 |
| S70 | 179     | S63 S69  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:46 |

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| S71 | 73      | S70 (fluorine or fluoride or fluorina\$4 or fluorida\$4)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>16:47 |
| S72 | 265845  | S69 (fluorine or fluoride or fluorina\$4 or fluorida\$4)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:00 |
| S73 | 90151   | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) or pyrolysis or pyrolyz\$5 or pyrolys\$5 or pyrolis\$5 or pyroliz\$5 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:09 |
| S74 | 10154   | S72 S73  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:09 |
| S75 | 254060  | (polymeris\$5 or polymeriz\$5) catalyst  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:10 |
| S76 | 2405    | S74 S75  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:10 |
| S77 | 264     | S76 ziegler  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:10 |
| S78 | 194     | S77 not S70  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/12<br>17:11 |
| S79 | 2319    | 526/943.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:03 |
| S80 | 90      | 526/902.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:05 |
| S81 | 31622   | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:05 |
| S83 | 29      | (S79 or S80) S81   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:06 |
| S84 | 1921567 | (alumin\$ or \$aluminum or \$aluminium or \$aluminoxane or \$aluminoxide)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S85 | 179     | S82 S84  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S86 | 265845  | S84 (fluorine or fluoride or fluorina\$4 or fluorida\$4)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |

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| S87 | 90151  | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) or pyrolysis or pyrolyz\$5 or pyrolys\$5 or pyrolis\$5 or pyroliz\$5 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S88 | 10154  | S86 S87  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S89 | 254060 | (polymeris\$5 or polymeriz\$5) catalyst  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S90 | 2405   | S88 S89  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S91 | 264    | S90 ziegler  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S92 | 194    | S91 not S85  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |
| S93 | 16     | S83 not S85 not S92  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON | 2009/11/13<br>16:09 |

**EAST Search History (Interference)**

| Ref # | Hits   | Search Query   | DBs            | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|----------------|------------------|---------|------------------|
| S95   | 161214 | (alumin\$ or \$aluminum or \$aluminium or \$aluminoxane or \$aluminoxide).clm.   | USPAT;<br>UPAD | AND              | ON      | 2009/11/17 16:07 |
| S96   | 60969  | (fluorine or fluoride or fluorina\$4 or fluorida\$4).clm.  | USPAT;<br>UPAD | AND              | ON      | 2009/11/17 16:09 |
| S97   | 12626  | (((((heat adj treat\$4) or heating or heated) near5 (inert or nitrogen or argon or vacuum)) or pyrolysis or pyrolyz\$5 or pyrolys\$5 or pyrolis\$5 or pyroliz\$5).clm. | USPAT;<br>UPAD | AND              | ON      | 2009/11/17 16:12 |
| S98   | 158    | S95 S96 S97  | USPAT;<br>UPAD | AND              | ON      | 2009/11/17 16:13 |
| S99   | 61032  | (fluorine or fluorid\$3 or fluorina\$4 or fluorida\$4).clm.  | USPAT;<br>UPAD | AND              | ON      | 2009/11/17 16:14 |
| S100  | 158    | S95 S99 S97  | USPAT;<br>UPAD | AND              | ON      | 2009/11/17 16:14 |

**11/ 18/ 2009 11:06:51 AM****C:\ Documents and Settings\ jcornio\ My Documents\ EAST\ Workspaces\ 10587058.wsp**